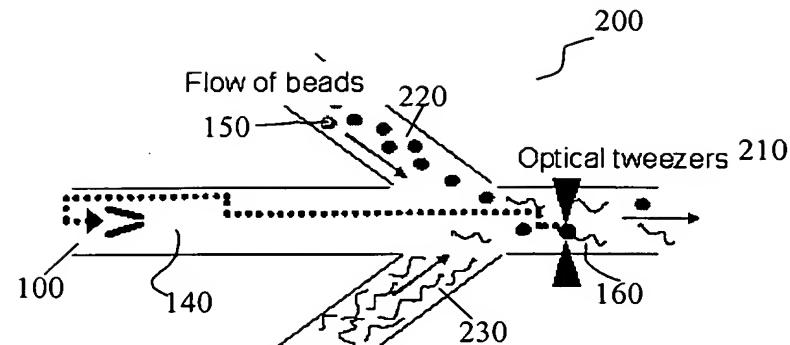
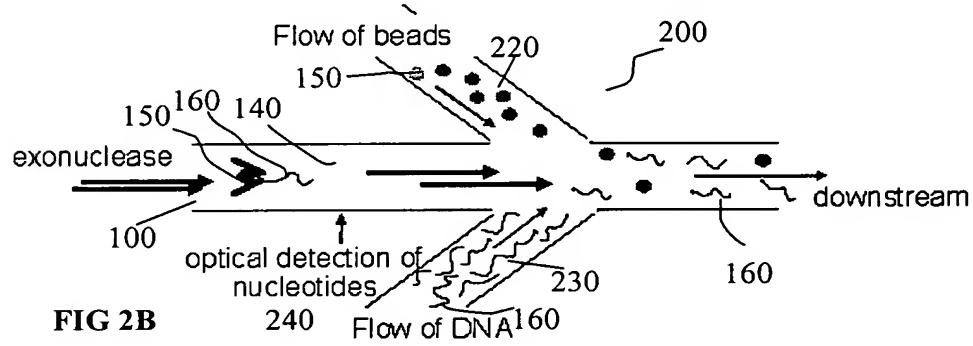


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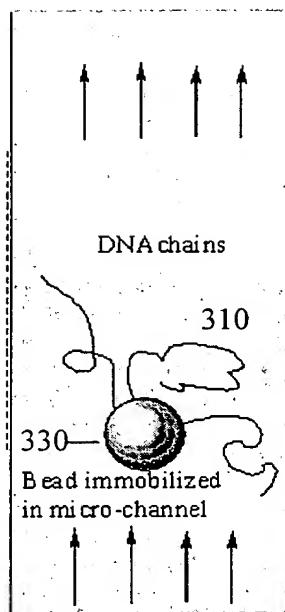


**FIG 2A**



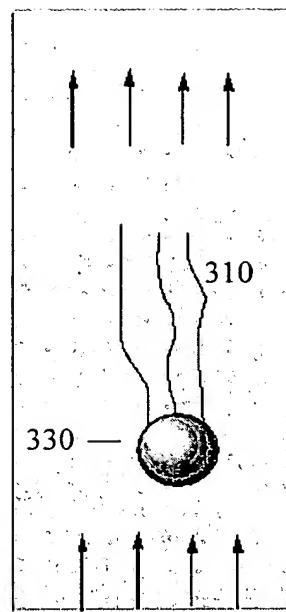
**FIG 2B**

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Fluidic Alignment

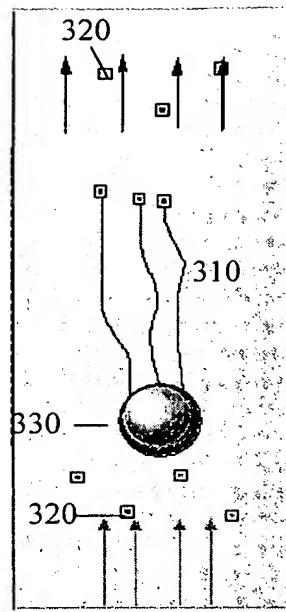
**FIG. 3A**



Fluidic Alignment

exposes the ends of the molecules

**FIG. 3B**



Reactants  
(phosphoramidites)  
have better access to  
the end of the DNA,  
thus give better yield.

**FIG. 3C**

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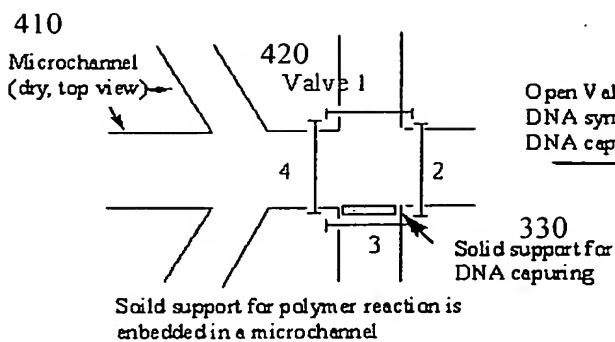


FIG. 4A

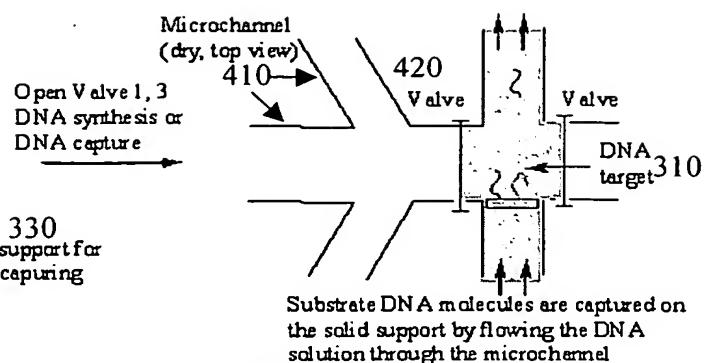


FIG. 4B

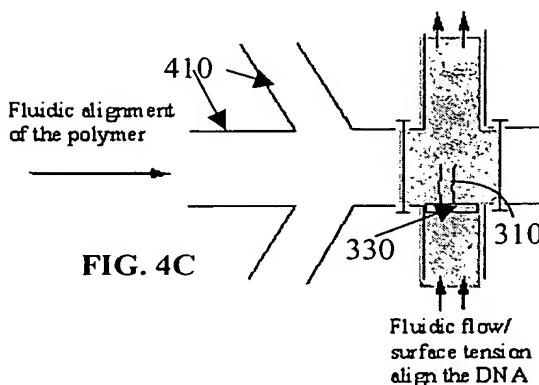


FIG. 4C

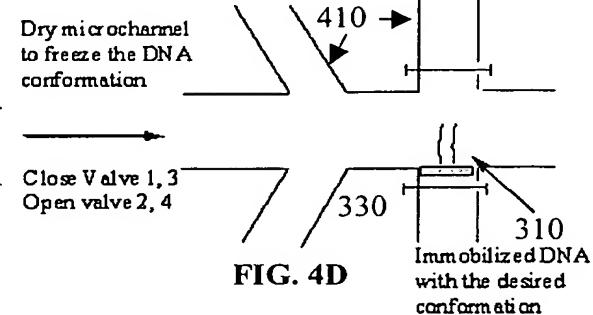


FIG. 4D

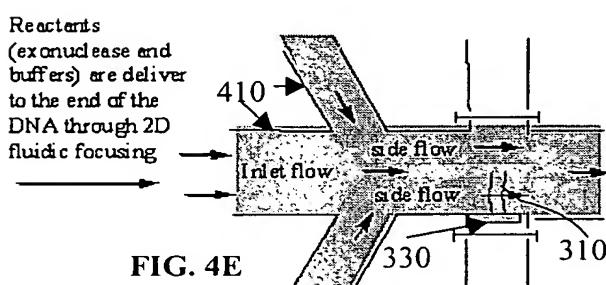


FIG. 4E

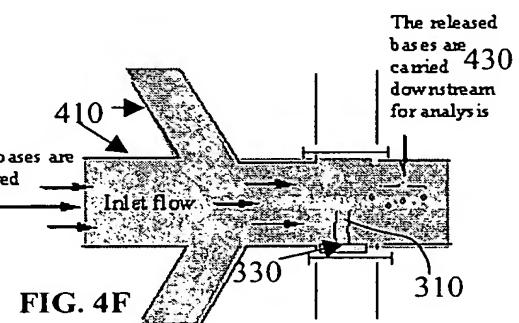


FIG. 4F

Only the selected region (50nm, ~150 bases from the end) of the DNA molecules can be digested. Hence the reaction is synchronized at ~150 bases.

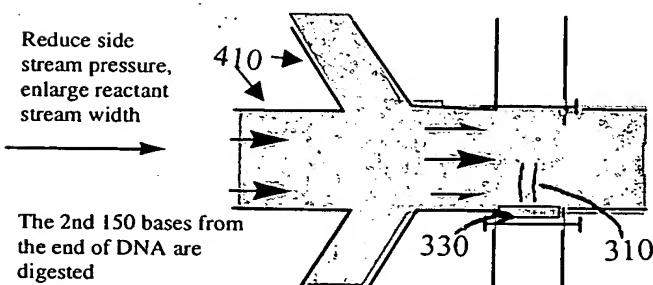


FIG. 4G

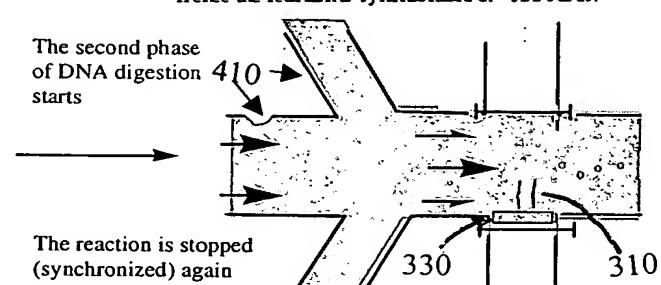


FIG. 4H

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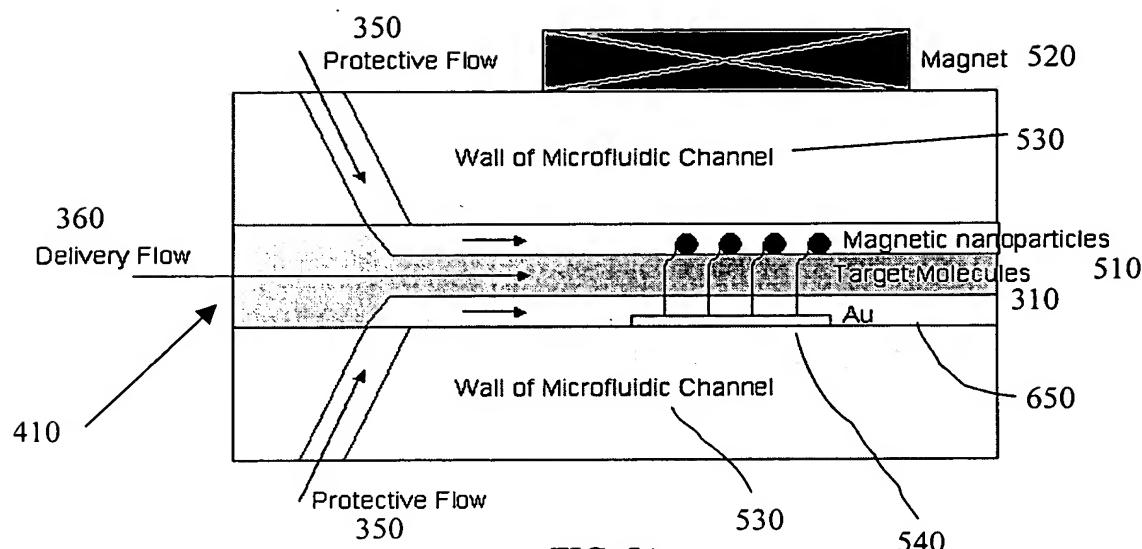


FIG. 5A

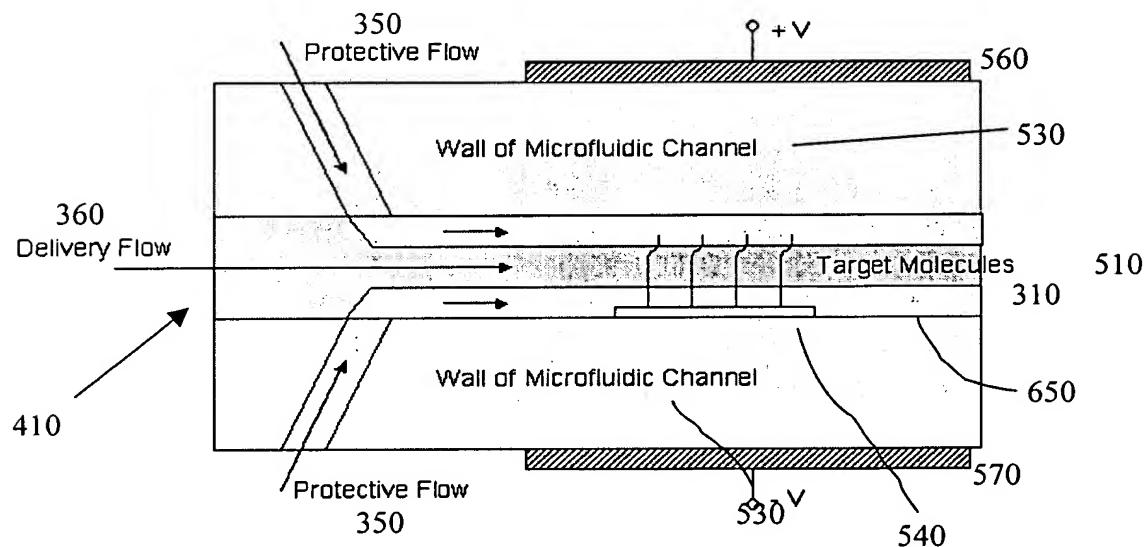


FIG. 5B

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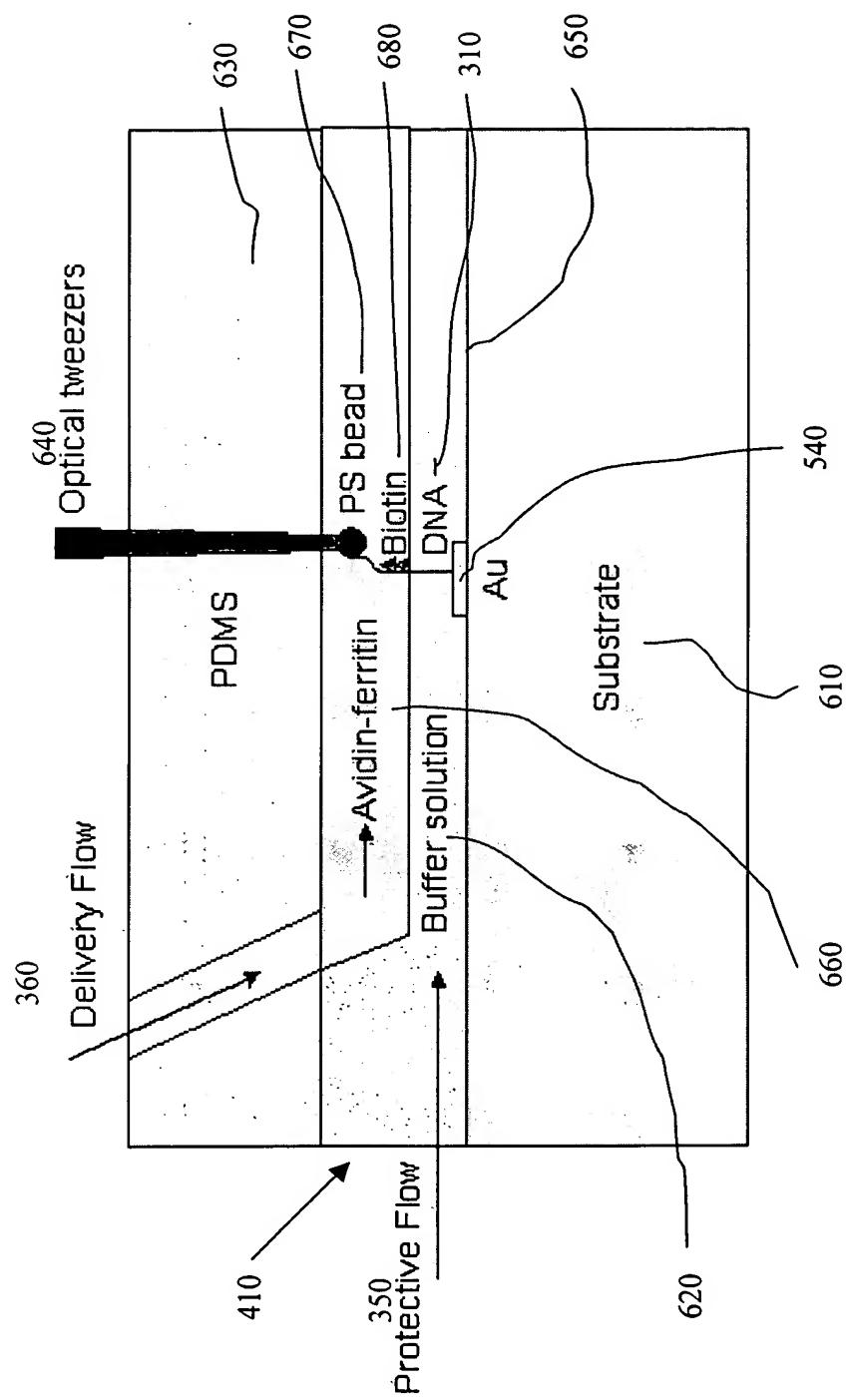


FIG. 6

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